**EAST Search History**

**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L3 | 10 | ("2003/0046554").URPN. | USPAT | OR | OFF | 2011/10/11 09:02 |
| L4 | 0 | ("2003/0046554").URPN. and @ad<"20010831" | USPAT | OR | OFF | 2011/10/11 09:04 |
| L5 | 0 | ("2003/0046554").URPN. and @ad<"20010831" | USPAT | OR | OFF | 2011/10/11 09:04 |
| L6 | 2 | ("20020020752" \| "4851654" \| "4961229").PN. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L7 | 3 | ("20020020752" \| "4851654" \| "4961229").PN. | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L8 | 1 | "5802320".pn. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L9 | 1 | "6363489".pn. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L10 | 1 | "20030135762" | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L11 | 2 | biometric adj voice adj sensor | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L12 | 10 | ("2003/0046554").URPN. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L13 | 3 | biometric adj (voice sound audio) adj sensor | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L14 | 274 | biometric adj (voice sound audio) | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L15 | 36 | biometric adj (voice sound audio) and @ad<"20010831" | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L16 | 18 | (LEYDIER-ROBERT DU-CASTEL-BERTRAND).IN. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L17 | 13 | (LEYDIER-ROBERT DU-CASTEL-BERTRAND).IN. | US-PGPUB | OR | OFF | 2011/10/11 09:07 |
| L18 | 16 | (LEYDIER-ROBERT$10 DU-CASTEL-BERTRAND).IN. | US-PGPUB | OR | OFF | 2011/10/11 09:07 |
| L19 | 43 | (LEYDIER-ROBERT$10 DU-CASTEL-BERTRAND).IN. | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L20 | 7054 | (LEYDIER-ROBERT$10 DU-CASTEL-BERTRAND).IN. (Schlumberger).AS. | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L21 | 4984 | (LEYDIER-ROBERT$10 DU-CASTEL-BERTRAND).IN. (Schlumberger).AS. | USPAT | OR | OFF | 2011/10/11 09:07 |

| L22 | 0 | L21 and ((integrated IC) adj circuit same biometric same voice).CLM. | USPAT | OR | ON | 2011/10/11 09:07 |
|-----|---|---|---|---|---|---|
| L23 | 0 | L21 and ((integrated IC) adj circuit and biometric and voice).CLM. | USPAT | OR | ON | 2011/10/11 09:07 |
| L24 | 2070 | (LEYDIER-ROBERT$10 DU-CASTEL-BERTRAND).IN. (Schlumberger).AS. | US-PGPUB | OR | OFF | 2011/10/11 09:07 |
| L25 | 1 | L24 and ((integrated IC) adj circuit and biometric and voice).CLM. | US-PGPUB | OR | ON | 2011/10/11 09:07 |
| L26 | 10 | ("2003/0046554").URPN. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L27 | 0 | ("2003/0046554").URPN. and (@ad<"20010831") | USPAT | OR | OFF | 2011/10/11 09:07 |
| L28 | 0 | biometric adj (voice sound audio) near2 ((integrated IC) adj circuit smart adj card) and @ad<"20010831" | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2011/10/11 09:07 |
| L29 | 10 | biometric same (voice sound audio) near2 ((integrated IC) adj circuit smart adj card) and @ad<"20010831" | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2011/10/11 09:07 |
| L30 | 2 | "20030046554".pn. biometric adj voice adj sensor | US-PGPUB | OR | ON | 2011/10/11 09:07 |
| L31 | 1 | "20030046554".pn. and biometric adj voice adj sensor | US-PGPUB | OR | ON | 2011/10/11 09:07 |
| L32 | 12 | biometric same (voice sound audio) near2 ((integrated IC smart) adj (circuit card) (access adj (badge card) (MULTOS near3 card))) and @ad<"20010831" | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2011/10/11 09:07 |
| L33 | 4 | ("4827518" \| "4851654" \| "6075983" \| "6256609").PN. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L34 | 59 | ("4851654").URPN. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L35 | 31 | ("4851654").URPN. and @ad<"20010831" | USPAT | OR | OFF | 2011/10/11 09:07 |
| L36 | 20 | ("4851654").URPN. and voice and @ad<"20010831" | USPAT | OR | OFF | 2011/10/11 09:07 |
| L37 | 125 | ("6325285").URPN. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L38 | 5 | ("6325285").URPN. and voice and @ad<"20010831" | USPAT | OR | OFF | 2011/10/11 09:07 |

| L39 | 1 | ((voice audio) adj (activat$4 authenticat$4) adj2 (smart IC integrated adj circuit) adj (card badge))and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
|-----|---|---|---|---|---|---|
| L40 | 0 | "9945123".pn. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L41 | 0 | "09/945123" | USPAT | OR | OFF | 2011/10/11 09:07 |
| L42 | 125 | ("6325285").URPN. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L43 | 3 | ((voice audio) adj (activat$4 authenticat$4 recogni$4) adj2 (smart IC integrated adj circuit) adj (card badge))and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L44 | 3 | ((voice audio) adj (activat$4 authenticat$4 recogni$4) near2(smart IC integrated adj circuit) adj (card badge)) and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L45 | 177 | ((smart IC integrated adj circuit) adj (card badge) with microphone)and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L46 | 30 | ((smart IC integrated adj circuit) adj (card badge) near2 microphone)and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L47 | 1 | "20030046554".pn. | US-PGPUB | OR | ON | 2011/10/11 09:07 |
| L48 | 10 | ("2003/0046554").URPN. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L49 | 0 | ("2003/0046554").URPN. and (@ad<"20010831") | USPAT | OR | OFF | 2011/10/11 09:07 |
| L50 | 45 | ("20020095587" \| "20020097144" \| "20020163421" \| "20030046554" \| "4405829" \| "4582985" \| "4609777" \| "4614861" \| "4720860" \| "4791283" \| "4814591" \| "4819267" \| "4856062" \| "4885778" \| "4926480" \| "4941173" \| "4972476" \| "4993068" \| "4998279" \| "5020105" \| "5040223" \| "5056141" \| "5065429" \| "5131038" \| "5280527" \| "5623552" \| "5732148" \| "5794218" \| "5838059" \| "5907142" \| "5943624" \| "5982628" \| "5991749" \| "5996897" \| "6019284" \| | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |

| | | "6089451" \| "6134130" \| "6219439" \| "6327376" \| "6441482" \| "6470451" \| "6507912" \| "6588660" \| "6848617" \| "6877097" \| "6980672").PN. and (@ad<"20010831") | | | | |
|---|---|---|---|---|---|---|
| L51 | 177 | ((smart IC integrated adj circuit) adj (card badge) with microphone)and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L52 | 0 | L50 and L51 | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L53 | 372 | ((smart IC integrated adj circuit) adj (card badge) same microphone)and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L54 | 0 | L50 and L53 | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L55 | 30 | ((smart IC integrated adj circuit) adj (card badge) near2 microphone)and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L56 | 9 | ("2004/0220807").URPN. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L57 | 1 | ("2004/0220807").URPN. and @ad<"20010831" | USPAT | OR | OFF | 2011/10/11 09:07 |
| L58 | 1 | ("2004/0220807").URPN. and @ad<"20010831" | USPAT | OR | OFF | 2011/10/11 09:07 |
| L59 | 0 | (furubayashi near saburo).in. and mitsubishi.as. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L60 | 0 | (furubayashi near saburo).in. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L61 | 0 | (furubayashi near saburo).in. | US-PGPUB; USPAT; EPO | OR | OFF | 2011/10/11 09:07 |
| L62 | 8 | (furubayashi near saburo).in. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2011/10/11 09:07 |
| L63 | 1 | "4961229".pn. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2011/10/11 09:07 |
| L64 | 0 | ((contactless RFID) adj (smart IC integrated adj circuit) adj (card badge) with microphone)and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L65 | 347 | ((contactless RFID) adj (smart IC integrated adj circuit) adj (card badge)) and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |

| L66 | 0 | ((contactless RFID) adj (smart IC integrated adj circuit) adj (card badge) near5 microphone)and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
|---|---|---|---|---|---|---|
| L67 | 0 | ((contactless RFID) adj (smart IC integrated adj circuit) adj (card badge) same microphone)and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L68 | 25 | ((contactless RFID) adj (smart IC integrated adj circuit) adj (card badge) and microphone)and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L69 | 1 | "5120939".pn. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2011/10/11 09:07 |
| L70 | 1 | "4480178".pn. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2011/10/11 09:07 |
| L71 | 1 | "4961229".pn. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L72 | 6 | (US-20040220807-$).did. or (US-4961229-$ or US-5708853-$ or US-6325285-$ or US-6382516-$ or US-7383297-$).did. | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L73 | 1 | L72 and biometric and sensor | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L74 | 4 | biometric near voice near sensor | US-PGPUB; USPAT; EPO | OR | OFF | 2011/10/11 09:07 |
| L75 | 10 | ("2003/0046554").URPN. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L76 | 0 | ("2003/0046554").PN. and $2encrypt$4 | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L77 | 1 | ("20030046554").PN. and $2encrypt$4 | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L78 | 0 | ("20030046554").PN. and $2decrypt$4 | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L79 | 3 | L72 and biometric | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |

| L80 | 159 | ("2990646" \| "20030159040" \| "3961323" \| "4207696" \| "4231184" \| "4264978" \| "4353064" \| "4390877" \| "4614861" \| "4637007" \| "4637371" \| "4640034" \| "4641374" \| "4677657" \| "4682370" \| "4696653" \| "4717364" \| "4766294" \| "4814591" \| "4818855" \| "4840602" \| "4851654" \| "4857030" \| "4924075" \| "4935907" \| "4942534" \| "4961229" \| "4973286" \| "4978840" \| "4984380" \| "5032099" \| "5072103" \| "5085610" \| "5176560" \| "5191615" \| "5209695" \| "5241160" \| "5280527" \| "5289273" \| "5307051" \| "5314336" \| "5324038" \| "5356326" \| "5376778" \| "5407376" \| "5423073" \| "5434398" \| "5452901" \| "5467095" \| "5479408" \| "5517194" \| "5522089" \| "5523749" \| "5539819" \| "5552790" \| "5579537" \| "5583933" \| "5606732" \| "5623552" \| "5629867" \| "5629981" \| "5635701" \| "5638047" \| "5638450" \| "5640003" \| "5646907" \| "5647787" \| "5655945" \| "5697829" \| "5698836" \| "5708853" \| "5717168" \| "5719387" \| "5731757" \| "5740232" \| "5742677" \| "5745555" \| "5752880" \| "5761606" \| "5763862" \| "5764512" \| "5764763" \| "5764900" \| "5774791" \| "5778071" \| "5778187" \| "5786764" \| "5786988" \| "5789733" \| "5793305" \| "5800243" \| "5809245" \| "5815020" \| "5818030" \| "5825871" \| "5847662" \| "5847752" \| "5850077" \| "5859913" \| "5861841" \| "5864794" \| "5870155" \| "5880769" \| "5881149" \| "5884271" \| "5905865" \| "5907142" \| "5914980" \| "5955961" \| "5986562" \| "5987509" \| "6010074" \| "6014083" \| "6016476" \| "6021119" \| "6023509" \| | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| --- | --- | --- | --- | --- | --- | --- |

|  |  | "6023779" \| "6036099" \| "6058373" \| "6060332" \| "6079621" \| "6081782" \| "6097292" \| "6098106" \| "6119228" \| "6125172" \| "6125452" \| "6176837" \| "6182044" \| "6186396" \| "6194993" \| "6195693" \| "6211858" \| "6222880" \| "6233736" \| "6236724" \| "6237026" \| "6272228" \| "6289114" \| "6292437" \| "6331972" \| "6360953" \| "6385314" \| "6389055" \| "6389935" \| "6400996" \| "6513015" \| "6547130" \| "6556768" \| "6556965" \| "6559755" \| "6570490" \| "6607136" \| "6607136" \| "6628240" \| "6647063" \| "6661563" \| "6758404" \| "6982649" \| "7183929").PN. |  |  |  |  |
|---|---|---|---|---|---|---|---|
| L81 | 75 | L80 and (voice speech) | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L82 | 2 | ("20030159040" \| "6607136").PN. | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L83 | 5 | ("5778071" \| "6079621" \| "6081782" \| "6331972" \| "6758404").PN. | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L84 | 4 | ("4677657" \| "5745555" \| "5825871" \| "6400996").PN. | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L85 | 3 | ("5742677" \| "5825871" \| "6982649").PN. | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L86 | 1 | ("6186396").PN. | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L87 | 14 | L82 L83 L84 L85 L86 | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |
| L88 | 4 | (membrane and (voice near pressure near (wave sensor) pressure near sensor) and piezoelectric and (CMOS near inverter) and capacitor and voltage and battery) | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L89 | 0 | (membrane and pressure near sensor and piezoelectric and (CMOS near inverter) and elelctrical adj parameter and battery) | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L90 | 5 | ( (voice near pressure near (wave sensor) pressure near sensor) and piezoelectric and (CMOS near inverter) and capacitor and voltage and battery) | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |

| L91 | 0 | (voice near pressure near sensor) and piezoelectric and (CMOS near inverter) and capacitor and voltage and battery | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
|---|---|---|---|---|---|---|
| L92 | 4 | (voice near pressure near sensor) | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L93 | 1 | (voice near pressure near sensor) and (microphone trnasducer) | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L94 | 10132 | (pressure near sensor) and (microphone trnasducer) | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L95 | 0 | (pressure near sensor and piezoelectric and (CMOS near inverter) and elelctrical adj parameter and battery) | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L96 | 5 | (pressure near sensor and piezoelectric and (CMOS near inverter) and battery) | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L97 | 22 | (pressure near sensor and piezoelectric and (CMOS near inverter)) | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L98 | 5 | (pressure near sensor and piezoelectric and (CMOS near inverter)) and @ad< "20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L99 | 11641 | (pressure near sensor and (microphone transducer)) and @ad< "20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L100 | 1667 | (pressure near sensor and microphone) and @ad< "20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L101 | 4 | (pressure near sensor and microphone and (CMOS near inverter)) and @ad< "20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L102 | 29 | (pressure near sensor and biometric and microphone) and @ad< "20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L103 | 46 | ((smart IC integrated adj circuit) adj (card badge) and microphone and pressure adj sensor) and @ad< "20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L104 | 30 | ((smart IC integrated adj circuit) adj (card badge) and microphone and pressure adj sensor and (voice speech)) and @ad< "20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L105 | 2 | "20070036356".pn. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2011/10/11 09:07 |

| L106 | 1 | "20070036356".pn. | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
|------|---|-------------------|----------------------|----|----|------------------|
| L107 | 3 | ("2007/0036356").URPN. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L108 | 1 | "20030188181".pn. | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L109 | 1 | "20030046554".pn. | US-PGPUB | OR | ON | 2011/10/11 09:07 |
| L110 | 35900 | "20030046554".pn. data adj link | US-PGPUB | OR | ON | 2011/10/11 09:07 |
| L111 | 1 | "20030046554".pn. and data adj link | US-PGPUB | OR | ON | 2011/10/11 09:07 |
| L112 | 1 | "20030046554".pn. and $2crypt$4 | US-PGPUB | OR | ON | 2011/10/11 09:07 |
| L113 | 1 | "5136885".pn. | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L114 | 2 | "5136885".pn. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2011/10/11 09:07 |
| L115 | 0 | (pressure near sensor and piezoelectric and (CMOS near inverter) and micrpophone) | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L116 | 4 | (pressure near sensor and piezoelectric and (CMOS near inverter) and microphone) | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L117 | 4 | ((pressure vibration) near sensor and piezoelectric and (CMOS near inverter) and microphone) | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L118 | 17 | ((pressure vibration) near sensor and piezoelectric and (CMOS near inverter) and (microphone transducers)) | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L119 | 186824 | ((pressure vibration) near sensor and piezoelectric and (CMOS near inverter) (microphone transducers)) and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L120 | 0 | ((pressure vibration) near sensor and piezoelectric and (CMOS near inverter) and (microphone transducers)) and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L121 | 10498 | (piezoelectric near (microphone transducers)) and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L122 | 9230 | (piezoelectric adj (microphone transducers)) and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |

| L123 | 7 | (piezoelectric adj (microphone transducers) and (CMOS near inverter)) and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L124 | 5 | "4303908".pn. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2011/10/11 09:07 |
| L125 | 2 | (piezoelectric adj (microphone transducers) and (CMOS near inverter)) and @rlad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L126 | 0 | (piezoelectric adj (microphone) and (CMOS near inverter)) and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L127 | 146 | (piezoelectric adj (microphone)) and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L128 | 5 | (piezoelectric adj (microphone) and (IC smart integrated adj circuit) adj card ) and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L129 | 2000 | (piezoelectric adj (microphone transducers) and (CMOS near inverter oscillator)) and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L130 | 38 | (piezoelectric adj (microphone) and (CMOS near inverter oscillator)) and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L131 | 20 | (US-20020071537-$ or US-20020169988-$ or US-20040220807-$).did. or (US-3690144-$ or US-3856995-$ or US-4303908-$ or US-4751419-$ or US-4961229-$ or US-5136885-$ or US-5249467-$ or US-5708853-$ or US-5987155-$ or US-6194810-$ or US-6325285-$ or US-6382516-$ or US-6401029-$ or US-6792536-$ or US-7106843-$ or US-7383297-$ or US-7475044-$).did. | US-PGPUB; USPAT | OR | OFF | 2011/10/11 09:07 |

| L132 | 39 | (US-20020071537-$ or US-20020169988-$ or US-20040220807-$).did. or (US-3690144-$ or US-3856995-$ or US-4303908-$ or US-4751419-$ or US-4961229-$ or US-5136885-$ or US-5249467-$ or US-5708853-$ or US-5987155-$ or US-6194810-$ or US-6325285-$ or US-6382516-$ or US-6401029-$ or US-6792536-$ or US-7106843-$ or US-7383297-$ or US-7475044-$).did. | US-PGPUB; USPAT; DERWENT | OR | OFF | 2011/10/11 09:07 |
|---|---|---|---|---|---|---|
| L133 | 19 | (US-20020071537-$ or US-20020169988-$ or US-20040220807-$).did. or (US-3690144-$ or US-3856995-$ or US-4303908-$ or US-4751419-$ or US-4961229-$ or US-5136885-$ or US-5249467-$ or US-5708853-$ or US-5987155-$ or US-6194810-$ or US-6325285-$ or US-6382516-$ or US-6401029-$ or US-6792536-$ or US-7106843-$ or US-7383297-$ or US-7475044-$).did. | DERWENT | OR | OFF | 2011/10/11 09:07 |
| L134 | 3 | "3680144".pn. | USPAT; DERWENT | OR | OFF | 2011/10/11 09:07 |
| L135 | 2 | "3690144".pn. | USPAT; DERWENT | OR | OFF | 2011/10/11 09:07 |
| L136 | 1 | "5136885".pn. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L137 | 2 | "5136885".pn. | USPAT; DERWENT | OR | OFF | 2011/10/11 09:07 |
| L138 | 4 | "4303908".pn. | USPAT; DERWENT | OR | OFF | 2011/10/11 09:07 |
| L139 | 22 | (piezoelectric adj pressure adj sensor and (CMOS near inverter oscillator)) and @ad< "20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L140 | 0 | (piezoelectric adj pressure adj sensor and (CMOS near inverter oscillator) and (IC smart integrated adj circuit) adj card ) and @ad< "20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L141 | 0 | (piezoelectric adj pressure adj sensor and (CMOS near inverter oscillator) and (microphone) ) and @ad< "20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |

| L142 | 13 | (piezoelectric adj pressure adj sensor and (CMOS near inverter oscillator) and (microphone transducer) ) and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
|---|---|---|---|---|---|---|
| L143 | 1 | (piezoelectric adj pressure adj sensor and (CMOS near inverter oscillator) and (microphone transducer) and (audio voice speech)) and @ad<"20010831" | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L144 | 1 | "6598481".pn. | US-PGPUB; USPAT; EPO | OR | ON | 2011/10/11 09:07 |
| L145 | 2 | "6598481".pn. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2011/10/11 09:07 |
| L146 | 1 | "20030046554".pn. and interface | US-PGPUB | OR | ON | 2011/10/11 09:07 |
| L147 | 4984 | (LEYDIER-ROBERT$10 DU-CASTEL-BERTRAND).IN. (Schlumberger).AS. | USPAT | OR | OFF | 2011/10/11 09:07 |
| L148 | 0 | L147 and ((integrated IC) adj circuit and biometric and voice).CLM. | USPAT | OR | ON | 2011/10/11 09:07 |

**10/11/2011 9:11:17 AM**
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